

WHAT IS CLAIMED IS:

1. A liquid cooling jacket comprising:
 a base bonded to a heating element;
 a post standing perpendicularly to said base;
 a plurality of radiating fins attached to
said post and arranged so as to be parallel to said
base;

 a partition filling up intervals between said
plurality of radiating fins at a predetermined width;
and

 a case which surrounds said post and said
radiating fins and is bonded to said base, and to which
an inlet and an outlet for coolant are attached at
positions where flow of said coolant is divided by said
partition.

2. The liquid cooling jacket according to claim
1, wherein said post is columnar, and said radiating
fins are concentric with said post.

3. The liquid cooling jacket according to claim
1, wherein said post is in contact with a top face of
said case to transmit heat of said post to said top
face.

4. The liquid cooling jacket according to claim
2, wherein said post is in contact with a top face of
said case to transmit heat of said post to said top
face.

5. The liquid cooling jacket according to claim
3, wherein an air-cooling heat sink is attached to the

top face of said case.

6. The liquid cooling jacket according to claim 4, wherein an air-cooling heat sink is attached to the top face of said case.

7. The liquid cooling jacket according to claim 1, wherein said post has a function of a heat pipe.

8. The liquid cooling jacket according to claim 2, wherein said post has a function of a heat pipe.

9. The liquid cooling jacket according to claim 3, wherein said post has a function of a heat pipe.

10. The liquid cooling jacket according to claim 4, wherein said post has a function of a heat pipe.

11. The liquid cooling jacket according to claim 5, wherein said post has a function of a heat pipe.

12. The liquid cooling jacket according to claim 6, wherein said post has a function of a heat pipe.